

5.4.3 REINFORCING STEEL

5.4.3.3 Special Applications

The maximum length of #3 and #4 bars shall be 40'. The maximum length of #5 through #18 bars shall be 60'.

GLASS FIBER REINFORCED POLYMER (GFRP) REINFORCEMENT

The design of 'Glass Fiber Reinforced Polymer (GFRP) Reinforcement' shall be in accordance with the "AASHTO LRFD Bridge Design Guide Specifications for GFRP – Reinforced Concrete Bridge Decks and Traffic Railings".

Add the following note and table to the METAL REINFORCEMENT sheet in the bridge plans:

Bars designated "GFRP" in the "COAT" column shall be Glass Fiber Reinforced Polymer Reinforcement.

GLASS FIBER REINFORCED POLYMER

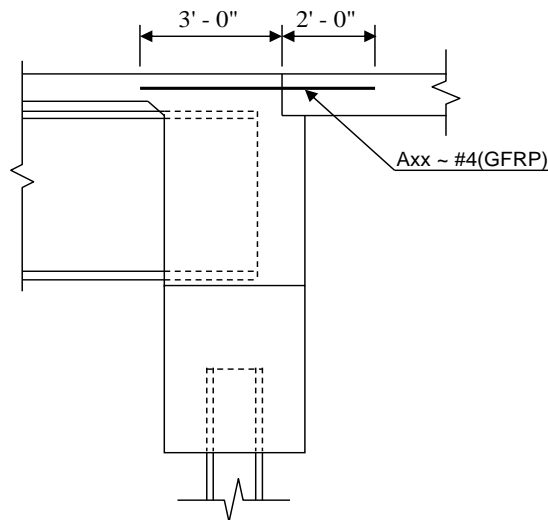
BAR SIZE	LINEAR FEET
#4	XXX.X

The Special Provision for the reinforcement is as follows:

S501-30A - Glass Fiber Reinforced Polymer (GFRP) Reinforcement FT

Use in Integral Abutment to Approach Slab connection

The reinforcement is to be a #4 spaced at 12" on center and called out as shown in the diagram.



Revisions:
May 2014 Added GFRP information.